

# Initial root

0: all humans are mortal

1: all greeks are human

3: it is not the case that all greeks are mortal

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syllogism\_reverse\_rule

4: some greeks are not mortal | 3

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syllogism\_rule\_2

5: greeks\_0 is a greeks  
6: mortal\_0 is not a mortal | 4

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syllogism\_rule\_1

7: greeks\_0 is a human | 1

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syllogism\_rule\_1

8: greeks\_0 is a mortal | 3